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 TI High-flowability cement compositions
 IN Hayakawa, Kazuhisa; Kobayashi, Kazuto
 PA Shinetsu Chemical Industry Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
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 CC 58-1 (Cement, Concrete, and Related Building Materials)
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CLASS

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	ICI	C04B028-02, C04B014-06, C04B016-02, C04B016-06, C04B024-38, C04B024-22, C04B024-32; C04B103-40
	IPCI	C04B0028-02 [ICM,6]; C04B0024-04 [ICS,6]; C04B0024-22 [ICS,6]; C04B0024-32 [ICS,6]; C04B0024-38 [ICS,6]; C04B0028-02 [ICI,6]; C04B0028-00 [ICI,6,C*]; C04B0014-06 [ICI,6]; C04B0014-02 [ICI,6,C*]; C04B0016-02 [ICI,6]; C04B0016-06 [ICI,6]; C04B0016-00 [ICI,6,C*]; C04B0024-38 [ICI,6]; C04B0024-22 [ICI,6]; C04B0024-32 [ICI,6]; C04B0024-00 [ICI,6,C*]; C04B0103-40 [ICI,6]
	IPCR	C04B0024-04 [I,A]; B28B0003-20 [I,C*]; B28B0003-20 [I,A]; C04B0024-00 [I,C*]; C04B0024-08 [I,A]; C04B0024-22 [I,A]; C04B0024-32 [I,A]; C04B0024-38 [I,A]; C04B0028-00 [I,C*]; C04B0028-02 [I,A]; C04B0103-40 [N,A]
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AB Into cement-based compns. containing a dispersant comprising aryl sulfonate (with or without alkyl substitution) -H2CO condensate, cellulose-based binder and water, a nonionic surfactant derived from higher fatty acids is added. Thus, a composition comprising cement 70, silica powder 30, pulp 4.5, polypropylene fiber 0.5, hydroxypropylmethylcellulose 1.0, β -naphthalenesulfonic acid-formalin condensate 0.3, polyoxyethylene monooleate 0.02, and water 22 parts was extruded and autoclaved at 170° for 8 h to give a concrete having bending strength 310 kg/cm².
 ST nonionic surfactant fatty acid cement